



LCDOT WILSON & NIPPERSINK INTERSECTION WIDENING

SENSITIVE OUTFALLS & MANAGING EROSION

PRINCIPAL RESIDENT ENGINEER & PRESENTER - PAUL GUARDI, P.E. DECI

PROJECT MANAGER - MATT EMDE, P.E.

GENERAL CONTRACTOR – BERGER EXCAVATING

WILSON RD & NIPPERSINK RD INTERSECTION WIDENING (GRANT TOWNSHIP & ROUND LAKE)

EXISTING CONDITIONS

- 4-WAY STOP
- ONE LANE IN EACH DIRECTION
- DITCH DRAINED
- WATER IN 3 OF 4 QUADRANTS
- NEXT TO BIG HOLLOW SCHOOLS
- NORTH OF BAXTER HEALTHCARE

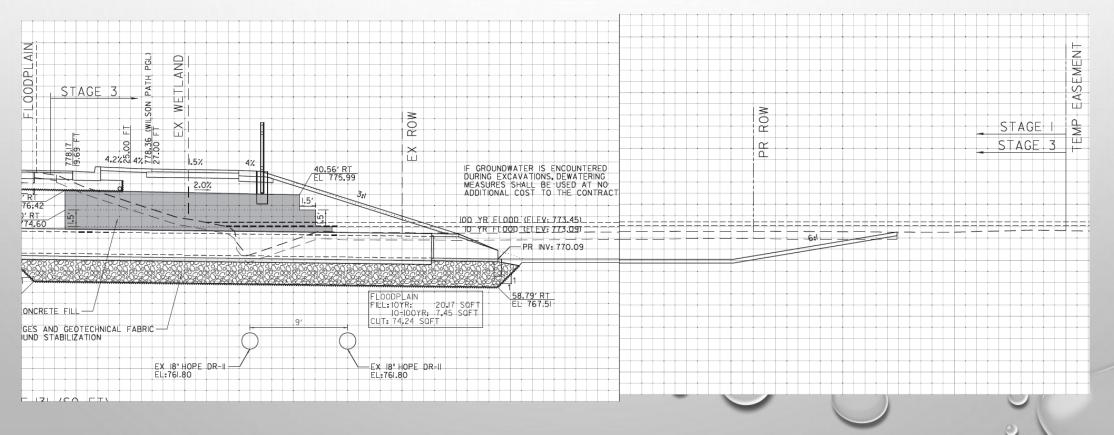
PROJECT PURPOSE

- ADD LEFT TURN LANES
- INSTALL TRAFFIC SIGNAL
- WIDEN SHOULDERS
- CONSTRUCT A SHARED-USE PATH
- IMPROVE DRAINAGE
- IMPROVE WATER QUALITY OF RUNOFF





- THE SITE IS ESSENTIALLY A BOWL
 - ONLY WHEN THE BOWL IS FULL DOES WATER LEAVE THE SITE (OVERFLOW)
 - SITE HAS WATER ALMOST ALL YEAR ROUND
 - RARELY DID THE SITE GO DRY FROM EVAPORATION OR SOIL INFILTRATION







PERMITTING & SITE INFO

- IEPA NPDES PERMIT: ILR10Z025
- ARMY CORPS PERMIT
- WETLAND IMPACT
- BUILD COMPENSATORY STORAGE
- TOTAL AREA DISTURBED: 11.35 ACRE
- PROJECT START: 1/24/2018
- PROJECT END: 10/16/2019



















COMPENSATORY STORAGE TREE REMOVAL – EROSION CONTROL

- AREA GETS EXCAVATED
- BECOMES COMPENSATORY AREA
- LARGE AREA WHERE TREES WERE REMOVED
- AREA DIRECTLY FLOWS TO WETLAND
- SILT FENCE PLANNED BUT GROUND FROZEN
- INSTALLED EXCELSIOR LOGS
 - POUND STAKES IN / SCRAPE EARTH
 - CAN SEE LOGS IN AERIAL PHOTO

















WIDENING WILSON SOUTHBOUND

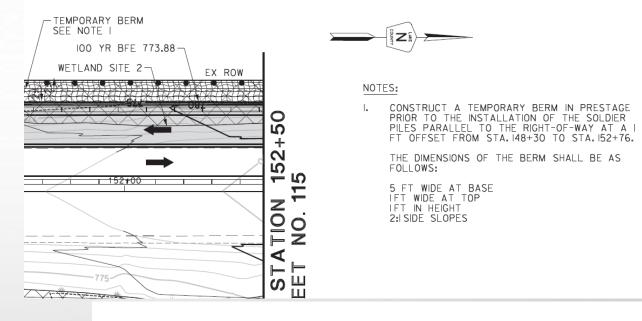
- RIGHT-OF-WAY LINE IN WATER
- DUE TO RAINS, RARELY DRIED UP
- PLAN WAS TO PLACE SILT FENCE AND BUILT EARTHEN BERM
- COULD NOT INSTALL SILT FENCE IN 1'+ OF WATER
- NEEDED A DIFFERENT EROSION BARRIER TO PROTECT WETLANDS

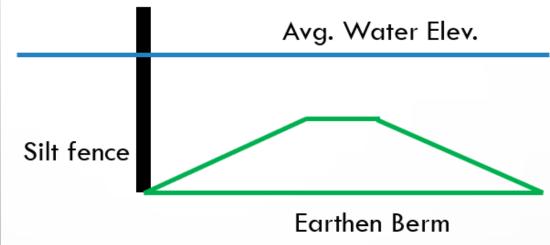




SILT FENCE & EARTHEN BERM

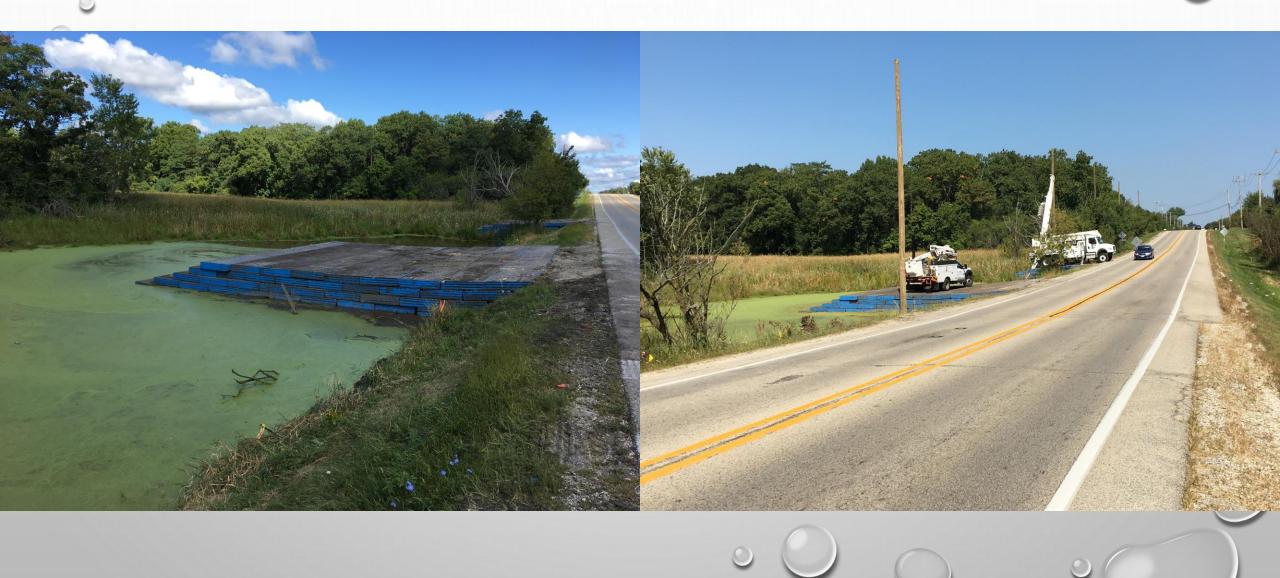
- PLAN CALLED TO INSTALL SILT FENCE ALONG
 THE ROW
- PLAN CALLED FOR THE CONSTRUCTION OF AN EARTHEN BERM BEHIND THE SILT FENCE TO KEEP WATER OUT
- ISSUES
 - WATER ALWAYS SITTING IN SILT FENCE LOCATION
 - WATER IS PART OF WETLAND AREA
 - TRENCHING IN SILT FENCE WOULD HAVE CLOUDED WATER AND ALLOWED SEDIMENT TO LEAVE THE SITE
 - BERM LIKELY WOULD HAVE BEEN TOO SHORT







SIDE NOTE: COMED POLE RELOCATION







- AROUND 200 SANDBAGS USED
- PLACED ON & WRAPPED IN THICK PLASTIC
 TO MAKE THEM WATERTIGHT
- ALLOWED FOR MINIMAL DISTURBANCE IN THE WETLAND AREA
- EASILY REMOVED (AFTER 1.5 YEARS)
- PREFERRED OVER SILT FENCE/BERM & SILT CURTAIN OPTION
 - PROVIDES A STABLE WATERTIGHT BARRIER
 - PROVIDES AN ARMOR AND LITTLE NEED FOR REPAIRS
 - REPAIRS COULD LIKELY LEAD TO A LOSS OF SEDIMENT























PROTECTING WETLANDS FROM LIGHTWEIGHT CELLULAR CONCRETE FILL (LCCF)

- GROUT MIX WITH FOAM MIX USED TO STABILIZE POOR SOILS FOR VEHICLE LOADING
- VERY THIN MATERIAL THAT CAN TRAVEL
 THROUGH SMALL HOLES AND CRACK
 - USED PLASTIC, DUCT TAPE, BACKER ROD
 & GREAT STUFF TO SEAL
- CONTRACTOR PROVIDED A WATCH & PROTECT PERSON FOR LEAKS BEHIND THE WALL











BIG HOLLOW SCHOOL RUNOFF

- LARGE WETLAND AREA
- WATER RELEASED SLOWLY VIA RESTRICTOR STRUCTURE
- PROVIDED A CONSTANT CONCENTRATED FLOW INTO THE SITE
- FLOW WOULD EXIT PIPE IN NW CORNER AND FREE
 FLOW AROUND TO THE NORTH
- NEW STORM SEWER INSTALLED HOLD FLOW AROUND CORNER AND THEN RELEASE IN TO STABILIZED DITCH
- WATER WAS REDIRECTED FOR A PERIOD OF TIME BECAUSE THE FLOW WAS TOO HEAVY



BYPASS INTO OTHER STORM SEWER SYSTEM (GOES TO THE SAME OUTFALL)





FINAL PATH - POST DEWATERING





NIPPERSINK RD EAST OF WILSON - PRIVATE POND

- EXISTING NIPPERSINK CROSS CULVERT
 - OLD, FULL OF SEDIMENT & ALLOWED
 SLOW DRAINAGE TO THE NORTH
 - CAUSED A BUILD UP OF WATER ON THE SOUTH SIDE OF THE ROADWAY
 - LARGE TRIBUTARY AREA TO THE SOUTH
 - RECEIVES SOUTH SIDE DITCH WATER
 FROM TOP OF HILL
- SMALL EXISTING CULVERT FROM NORTH
 SIDE DITCH TO PRIVATE POND
 - RECEIVES WATER FROM CROSS CULVERT,
 SOUTH SIDE DITCH & NORTH SIDE DITCH



PREPPING FOR TEMPORARY PAVEMENT

- EXCAVATE EXISTING SHOULDERS
- LARGE BARE CLAY AREAS
- COMPACT AND GRADE BEFORE
 INSTALLING TEMPORARY AGGREGATE
 BASE
- SITE'S MOST VULNERABLE STAGE
- ALL BMP'S SPECIFIED IN PLACE





- 5/14/2018
- 3.14 INCHES OF PRECIPITATION
- ION SUBMITTED DUE TO EVIDENCE OF SEDIMENT LOSS
- COULD HAVE USED THAT DOUBLE STACKED SILT FENCE TIM COOK MENTIONED A FEW YEARS BACK











REMEDIATION OF THE PRIVATE POND

- CONTACTED RESIDENT & KEPT THEM INVOLVED THROUGH ENTIRE PROCESS
 - WEEKLY CONTACT (PHONE, EMAIL, IN-PERSON)
- OBTAINED A RIGHT-OF-ENTRY PERMIT
- PROPER DOCUMENTATION
 - DIARY, FIELD BOOK, SWPPP/DECI REPORT, IEPA ION & CONTACT LCSMC
- SITE WAS IN VULNERABLE SPOT, BUT NO EXCUSE FOR WHAT HAPPENED.
- DETERMINE ADDITIONAL BMP'S TO BE INSTALLED
- INSTALL A TREATMENT TRAIN & RUN UNTIL WATER IS CLEAR



TREATMENT TRAIN

- INTAKE WATER FROM POND (FLOATING HOSE ATTACHED TO PUMP)
- SILT BAG
- FLOC LOG & POWDER
- EROSION CONTROL MAT (JUTE YARN)
- SANDBAGS (CREATE TURBULENCE)
- BASIN FOR SETTLEMENT
- RETURN TO POND
- ***RUN UNTIL WATER IS CLEAR





- IN ORDER TO BUILD THE TEMPORARY ROADWAY
 A NEW CROSS CULVERT WAS TO BE INSTALLED
- NEW CROSS CULVERT MADE US PAY SPECIAL ATTENTION TO DRAINAGE AND EROSION CONTROL IN THIS AREA
- WATER IN THIS LOCATION COMES INTO THE CONSTRUCTION AREA AND EXITS RAPIDLY
- MAKES FOR DIFFICULTY CONTROLLING EROSION BECAUSE THERE IS LITTLE TIME TO FILTER THE WATER
- LARGE AMOUNTS OF WATER MAKES IT DIFFICULT TO HOLD ANY WATER BACK



PERFORATED RISER







- CA-7 (WASH STONE) PILED AROUND RISER
- RIPRAP INSTALLED AROUND RISER
- TEMPORARY SEED & BLANKET INSTALLED IN TRIBUTARY DITCHES
- TEMPORARY AGGREGATE AND ASPHALT IN PLACE PROVIDING COVER
- DITCH CHECKS INSTALLED
- FLOC LOG INSTALLED IN RISER PIPE





AREA ADJACENT TO PRIVATE POND

- RIPRAP INSTALLED
- DITCH CHECKS INSTALLED TO SLOW WATER
- SILT FENCE INSTALLED BEHIND DITCH CHECKS TO ACT AS A SORT OF SILT CURTAIN
 - KEEP SOUTH WATER AND NORTH WATER SEPARATED
- TEMPORARY SEED & BLANKET INSTALLED
- FLOC LOGS INSTALLED AT FLARED-END-SECTION & AT ENTRANCE TO SMALL PIPE THAT LEADS TO POND





- SHORTLY AFTER STABILIZING AREA, DISCHARGES
 WERE NOT ALWAYS COMPLETELY CLEAR
- ON THE FENCE IF AN ION WAS NEEDED
- PRIVATE POND WAS CONSIDERED PART OF SITE DUE TO THE R.O.E. BUT STILL A SENSITIVE AREA WHERE SEDIMENT CANNOT ENTER
- CONTACTED LCSMC FOR GUIDANCE
 - SUGGESTED TURBIDITY METER USE TO MONITOR DISCHARGES
 - 10 IS VERY CLEAN AND SHOULD NOT WORRY
 - 50 BEGINS TO BECOME QUESTIONABLE
 - USE AS A TOOL TO HELP YOUR DECISION



SWPPP/DECI Report #	SWPPP/DECI Report Date	Precipitation Amount (Inches)
8	4/16/2018	0.80
11	5/3/2018	0.49 +
13	5/14/2018	3.14 IEPA ION
14	5/15/2018	0.61
16	5/22/2018	1.91
18	5/31/2018	0.50
20	6/11/2018	1.45
21	6/16/2018	0.98
22	6/19/2018	2.12
23	6/23/2018	2.69
24	6/27/2018	2.55
31	8/7/2018	0.60
32	8/8/2018	0.84
34	8/17/2018	0.51
35	8/22/2018	1.17

SWPPP/DECI Report #	SWPPP/DECI Report Date	Precipitation Amount (Inches)
36	8/27/2018	0.51
37	8/28/2019	1.28
38	8/29/2018	1.57
40	9/4/2018	5.51
43	9/20/2018	1.44
45	10/2/2018	1.55 IEPA ION
46	10/8/2018	2.12
50	10/31/2018	0.94
51	11/5/2018	0.66
52	11/6/2018	0.51
57	12/4/2018	1.59
62	1/2/2019	0.57
63	1/8/2019	0.75
71	2/25/2019	1.28
73	3/11/2019	0.54

SWPPP/DECI Report #	SWPPP/DECI Report Date	Precipitation Amount (Inches)
74	3/13/2019	0.50
80	4/12/2019	0.86
84	4/30/2019	0.67
85	5/1/2019	0.72
87	5/9/2019	1.98
89	5/22/2019	0.50 +
90	5/24/2019	0.50 +
91	5/28/2019	0.50 +
92	5/30/2019	0.50 +
93	6/5/2019	0.50 +
95	6/13/2019	0.55
97	6/25/2019	0.64
98	7/1/2019	0.55
101	7/19/2019	2.71
102	7/22/2019	0.70

SWPPP/DECI Report #	SWPPP/DECI Report Date	Precipitation Amount (Inches)
106	8/19/2019	1.63
109	9/10/2019	1.75
110	9/12/2019	3.90
111	9/13/2019	1.9
113	9/23/2019	1.67

RAINFALL EVENT SUMMARY

# OF EVENTS 1" - 2"	14
# OF EVENTS 2" – 3"	5
# OF EVENTS 3" – 4"	2
# OF EVENTS 4" – 5"	0
# OF EVENTS OVER 5"	1
TOTAL # OF EVENTS	
OVER 0.50"	50 +

TURBIDITY METER - SAMPLE RESULTS

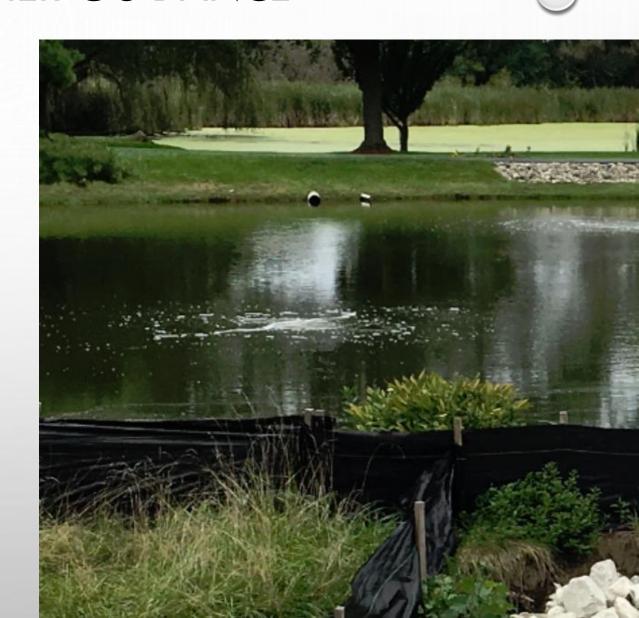
- TEST ON 9/21/2018
 - 11.2 NTU, 10.6
- TEST ON 10/2/2018
 - 92.9 NTU IN RIPRAP BEFORE POND
 - 50.3 NTU & 82.8 NTU IN POND
 - ***IEPA ION SUBMITTED
 - TURBIDITY METER AIDED IN DECIDING WHETHER
 TO SUBMIT ONE
- TEST ON 10/31/2018
 - 32.6 NTU, 20.9 NTU, 7.55 NTU
- TEST ON 1/8/2019
 - 5.57 NTU, 5.64 NTU, 4.63 NTU





SEEKING FURTHER GUIDANCE

- POND WATER QUALITY WAS NOT CORRELATED
 TO RAINFALL EVENTS
 - WATER WOULD APPEAR CLOUDY PRIOR TO OR LONG AFTER RAINFALL EVENTS
- LAKE COUNTY HEALTH DEPARTMENT CONTACTED
 GUIDANCE
 - POSSIBLE FISH IN WATER THAT FEED OR LIVE ON BOTTOM THAT AGITATE POND BED (NATURAL OCCURRENCE)
 - POND OWNER'S USE OF AERATORS MAY CAUSE CLOUDINESS
- CONTINUED TO INCREASE BMP USE



POST 10/2/2019 ION – BMP CHANGES

- SILT CURTAIN AND EXCELSIOR LOG AT DITCH-TO-POND PIPE OUTLET
- BRICK & MORTAR NORTH SIDE OF CULVERT TO HOLD WATER BACK
- INCREASE RIPRAP AREA ON SOUTHSIDE FOR MORE STABILIZATION
- CONTINUE TREATMENT TRAINS
 - MULTIPLE DIFFERENT TYPES
- BRICK AND MORTAR THE DITCH-TO-POND PIPE SHUT
 - HOLD ALL RUNOFF WATER IN DITCH
 - WAIT FOR SEDIMENT TO FALL OUT OF SUSPENSION
 - PUMP CLEAR WATER INTO POND AND PREPARE FOR NEXT RAINFALL EVENT













- SHARED-USE PATH GETTING PAVED
- SHARED-USE PATH PAVED AND READY FOR FINAL LANDSCAPING
- NEED TO AVOID ANY MORE ION'S
- DEPENDING ON WEATHER, GRASS MAY NOT GROW WELL IN AREAS TRIBUTARY TO POND
- WATER COMES ROARING DOWN FROM THE TOP OF THE HILL



CHOOSING SOD – INSTANT COVERAGE

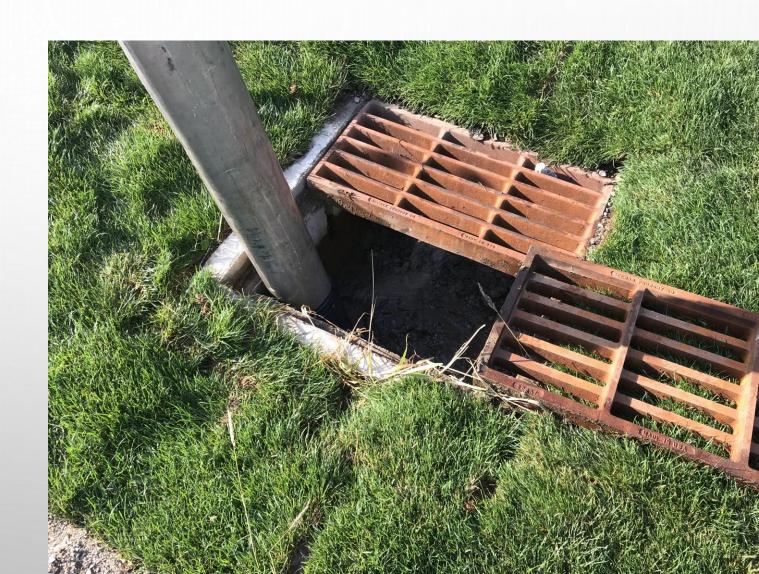






FINAL PREPARATIONS & CLEANING

- AREA HAS BEEN STABILIZED
- LET WATER FLOW DIRECTLY INTO POND
- NEED TO CLEAN WHERE WATER RUNS
 - STORM SEWER
 - RIPRAP
 - CULVERT
- REMOVE TEMPORARY BMP'S











ASSURANCE THAT IT WORKED

- CHECKED DURING RAINFALL EVENT THAT DISCHARGE WAS CLEAR FROM SITE INTO PRIVATE POND
- PICTURE TAKEN ON 7/18/2019 DURING
 HEAVY RAINFALL EVENT
- REPORT ISSUED FOR EVENT SHOWED 2.71
 INCHES OF PRECIPITATION



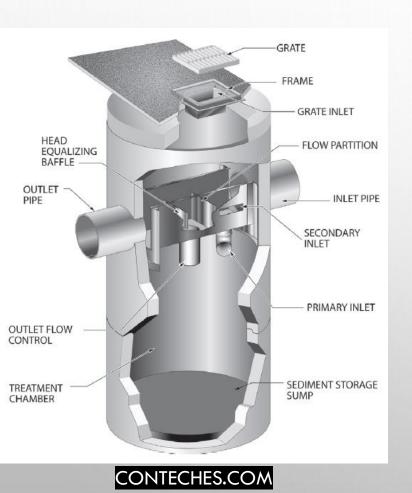
STORM SEWER SYSTEM WATER VOLUME & QUALITY

- ROADWAY WIDENED AND WATER
 RUNOFF NO LONGER SPLIT B/T DITCHES
 - ALL WATER PUT INTO SYSTEM AND CONCENTRATED
- RESTRICTOR STRUCTURE USED TO SLOW THE FLOW OF WATER
- WATER PROCESSED THROUGH CONTECH TREATMENT STRUCTURE
 - SEPARATES SOLIDS OUT
 - TWO TYPES OF TREATMENT DEPENDING ON VOLUME OF FLOW
- RESTRICTOR AND TREATMENT STRUCTURE MITIGATE THE CONCENTRATED STORM WATER

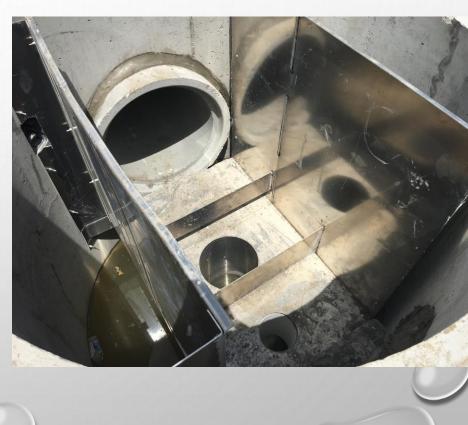




CONTECH VORTSENTRY®









EAST SIDE WETLAND DRAINAGE DITCH CLOSURE

- SOUTHEAST CORNER WETLANDS DRAIN TO THE NORTH VIA CROSS CULVERT UNDER NIPPERSINK RD
- A LARGE OPEN DITCH ALLOWS WATER TO FLOW NORTH TO EVENTUAL OUTFALL TO THE EAST
- ROAD TO BE WIDENED AND SHARED-USE PATH TO BE INSTALLED WHERE DITCH IS
- PIPE THE DITCH SHUT IN ORDER TO BUILD ABOVE IT
- USE SILT FENCE & GEO FABRIC AT INFLOW TO KEEP WATER
 CLEAN
- TEMPORARY DITCH INSTALLED TO THE EAST FOR RUN-AROUND
 - LINED WITH GEO FABRIC
 - STONE DITCH CHECKS
 - FLOC LOGS
 - SILT FENCE ON BOTH SIDES

















GENERAL PREPARATIONS FOR WINTER SHUTDOWN

- TEMPORARY DITCHES THROUGHOUT PROJECT ARE BARE CLAY WITH TEMP SEED
- PREPARE FOR SNOW MELT
- REGAIN/INCREASE CAPACITY IN TEMPORARY DITCHES
 - DUE TO ALL THE RAINFALL EVENTS SEDIMENT HAS BUILT UP IN DITCHES
 - RE-EXCAVATION NEEDED TO ALLOW PROPER DRAINAGE
 - TEMPORARY DITCH CHECKS WORKING BUT BEYOND CLEANING NEEDED
- INSTALLED TEMPORARY BLANKET IN ALL TEMPORARY DITCHES
- INSTALLED EROSION CONTROL MAT IN FLOW LINES
- PLACE FLOCCULATION POWDER ON EROSION CONTROL MATTING











DEWATERING SETUPS

- THROUGHOUT THE PROJECT THERE WERE MANY VARIOUS DEWATERING SETUPS AT LOCATIONS
- IT WAS IMPORTANT THAT WE MAINTAINED NATURAL DRAINAGE PATTERNS WITH TEMPORARY EXTENSIONS OR BYPASSES
- AT TIMES THERE WERE OVER 10 PUMPS ONSITE RUNNING









LCDOT'S POLICY FOR EROSION CONTROL

- COMMON ITEMS ARE PLACED INTO BID SET AND ASSIGNED UNIT PRICES
- UNLIKE IDOT, LAKE COUNTY DIVISION OF TRANSPORTATION PAYS SEPARATE FOR MAINTENANCE OF BMP'S (THE COST IS NOT INCLUDED IN THE BID PRICE)
- ITEMS USED TO PAY FOR THE REPAIR OR CLEANING IS CALLED "MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS"
 - UNIT OF MEASUREMENT: "UNIT"
 - 1 UNIT = 1 DOLLAR
 - ALL WORK IS TRACKED LIKE A FORCE ACCOUNT OR T&M ON AN IDOT BC635 FORM
 - CONTRACTOR SUBMITS A BILL AND THE MONEY IS PULLED FROM AN ALREADY ESTABLISHED QUANTITY



MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS



- QUANTITY OF UNITS IS DETERMINED BY PAY ITEM QUANTITIES
- THIS PROJECT ALLOWS FOR 31,276 UNIT OR \$31,276
- THE APPROXIMATE QUANTITY USED IS 90,000 UNIT OR \$90,000
 - SPEAKS TO THE MAGNITUDE OF WHAT IT TOOK
 TO KEEP THE SITE COMPLIANT
- THE SANDBAG COFFERDAM WAS NOT PAID FOR UNDER THIS ITEM

Basis of Payment: The quantity for this item is established by the Lake County Division of Transportation, based on the Engineer's Estimate and the following formula.

Contract Pay Item	Percent of Engineer's Estimate for Pav Item
Temporary Ditch Checks	20%
Perimeter Erosion Barrier	100%
Inlet Protection (Special)	60%
Inlet Filters	60%
Seeding Sodding, Seeding (complete) Sodding (complete) *	20%

^{*} if more than one of these items is included in the pay items then the sum is used. Temporary erosion control seeding is <u>not</u> included in the maintenance calculation.

The quantity for MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS for this contract is **31,276.0 units**.

The unit price for MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS will be \$1.00. Therefore one unit will equal \$1.00 of force account work performed according to Article 109.04 (b) of the "Standard Specifications".



DOCUMENTATION & REPORTS

- RESIDENT ENGINEER GENERATED 113 DECI/SWPPP REPORTS
 - AVG. OF 5 REPORTS PER MONTH (DOES NOT ACCOUNT FOR WINTER)
 - SOME MONTHS HAD 8+ REPORTS DUE TO ISSUES OR RAINFALL EVENTS OVER 1/2"
- LCSMC INSPECTORS GENERATED 21 INSPECTION REPORTS
- LAKE COUNTY DOT SUBMITTED 2 ION (INCIDENCE OF NON-COMPLIANCE)
 - BOTH WERE A RESULT OF EXCESSIVE RAINFALL EVENTS
- RESIDENT ENGINEER USED 6 SWPPP WALL DIAGRAMS/LOGS TO TRACK EROSION WORK DONE ONSITE
 - ONE FOR EACH STAGE OR MAJOR SITE CHANGE



Printed on: 7/19/2019

Storm Water Pollution Prevention Plan

rosion Control Inspection Report

BC 2259 (Rev. 05/15/09)

_										osion Control ilis	Decu	OIL	epo	11
Date of Inspection: 7/19/2019			County:		LAKE									
Name of Inspector: Paul Guardi				Section:	_	03-00070-06-CH								
Type of Inspection: Weekly					Route:	_								
		>0).5" Pre	ecip.	\times	Precip. Amt: 2.7	1 .	District:	_	1				
Cont	tractor:	Berger	Excav	ating	Cont	ractors		Contract N	No:					
Subs	5:	Homer	Tree,F	eter l	Bake	r,Mark. Spec.,TCP,Stap	ples,	Job No.	_					
Alliance, Hometowne, Northern, Stalworth, Elastizell						Project: Wilson Rd at Nippersink Rd Intersection								
NPDES/ESC Deficiency Deduction: \$1,000.00						NPDES Permit No: ILR10Z025								
Tota	Total Disturbed Area: 11.35 acre						Ready for Final Cover: acre							
							Final Cover Established: acre					•		
		Sedime	nt Co	ntrol	Prac	tices								
ltem	#/BMF	•										YES	NO	N/A
1. Slopes: Do all slopes and exposed areas where soil disturbing activities have temporarily or permanently ceased, and not permanently stabilized, have adequate temporary seed or other stabilization in accordance with the NPDES permitted 7 and 14 day rule?							or	⊠						
2.	Ditches Are all ditches (existing and temporary) clear of sediment and/or debris? Do all ditches have adequate stabilization and structural practices in place?								⊠					
3.	Has perimeter barrier no longer needed been removed and the area						ea	×						
_	_					stabilized?						_	_	
4.	Tempo	rary Dito	h Che	cks:		Are all temporary ditch Are the current ditch ch						\boxtimes		
5.	Temp Diversions/ Slope Drains: Are all Temporary Diversions and Slope Drains functioning pr					oning properly?				\boxtimes				
6.				let protection devices in let filters less than 25%	working order? nd fabric unobstructed?				×					
7.					diment basins/traps in cient capacity exist for t	working order? sign stormwater event?						\boxtimes		
Areas of Interest – Wetland/Prairie/Tree Preservation: Has the contractor remained clear of all designated "no entry" areas? Are all "no intrusion" areas adequately marked to prevent accidental entry?							×	R						
9.	Stock	Piles:	Are al	ll stoc	kpile	s properly situated and	maint	ained to pre	eve	ent runoff and protected	d	⊠		
10.	Borrov Sites:	to minimize discharge of materials or res Borrow/Waste Are all borrow and waste locations, in Sites: compliance with NPDES require			ions, ir	ncluding the						⊠		
11.		Installati	ions:	Are	e all d	other BMP installations te in comments)			ns	properly functioning?		×		
Gen	eral Site	e Mainter	nance	Regu	•	•								
12.	Vehicle Is the site free from mud, sediment and debris from the vehicles Tracking:						f	\boxtimes						

Page 1 of 3

ltem#	/ BMP					YES	NO	N/A
13. C	oncrete Washout Are		Are concrete washout areas adequately signed and maintained? Has all washout occurred only at designated washout locations?					
14. S	taging/Storage Areas		Are all staging/storage facilities free of litter, leaking containers, leaking equipment, spills, etc?					
15. F	uel/Chemical Storage		Are all fuels and chemicals stored only in designated locations? Are all designated locations free of evidence of leaks and or spills? Have all corrections from the last report been properly completed? If not, has a NPDES/ESC Deficiency Deduction been assessed?					X
	revious Inspection ollow Up:							×
17. U	pdate SWPPP: Har	ve all changes to t signed and dated	changes to the projects SWPPP been noted on the graphic site plan, id and dated?					
D	ischare of If Yes, h	as the Illinois Ėnvi	ronmental i		notified within 24 hours		\boxtimes	
	maile	d within 5 days?		e and an Incidence of N	Ion-Compliance (ION)			×
Specifi	c Instructions Relate	d to "No" Answe	rs From Al	oove:				
ltem#	Station or Station to Station	Practice	oncrete Concrete washouts are very full and should be removed				Time Rep	
13	1- 152+50 RT 2- 23+00 RT	Concrete Washouts						ay sday
							_	
						=		
Other (Comments:							_
					aters from the site were			
vegetat	ion ponsite continues t	o come in nicely.	The sod wa	as watered early week a	nd got the heavy rainfall	late we	ek.	
								_
Additio	onal Pages (Attached	As Needed)						
Ou	utfalls / Receiving Wate ainage Structure/Ditch Iditional Instructions to	ers Check Locations	Other:					
Repairs	and stabilization are t	o be completed w	ithin 24 hou	ırs of this report (or as ir	o correct the deficiency. ndicated above) or the Da the required action is co		d.	
Inspect	or's Signature				Date/Time:			

Page 2 of 3

Date/Time:

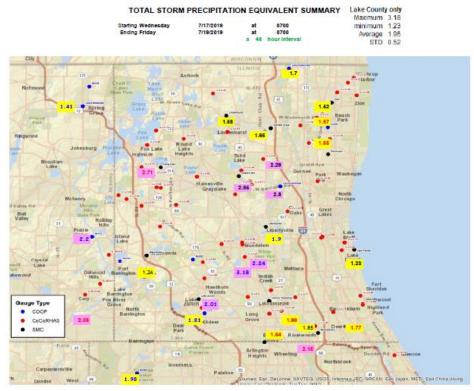
BC 2259 (Rev. 05/15/09)

Contractor's Signature

Printed on: 7/19/2019



Starting Wednesday Ending Friday





27+55 LT During storm on 7/18/19, clear discharge water to pond



Backside of Northwall, water clear and grass growing





151+00 RT looking south at grass growing on slop and plastic permeable berms in place



CONCLUSION

- FIND OUT WHAT RESOURCES ARE AVAILABLE TO USE AND TAKE ADVANTAGE OF THEM
 - TURBIDITY METER
 - IDOT EROSION CONTROL FLIP BOOK
 - YOUR DESIGNER
 - LCSMC
- LAKE COUNTY STORM WATER MANAGEMENT
 - HAVE THEM REVIEW DEWATERING PLANS
 - DON'T ASK THEM WHAT TO DO, BUT RATHER BOUNCE POTENTIAL SOLUTIONS/IDEAS OFF THEM
 - KEEP GOOD RECORDS AND DOCUMENT EVERYTHING
- COMMUNICATE WITH YOUR CONTRACTOR
 - TALKED WITH BERGER EVERYDAY ABOUT ITEMS THAT NEEDED ATTENTION
 - TALK WITH YOUR CONTRACTOR ABOUT POTENTIAL FUTURE MATERIAL NEEDS SO ITS ONSITE OR ORDERED
- BE ONSITE TO CATCH POTENTIAL PROBLEMS IN THE MAKING
 - TALK TO YOUR INSPECTOR WHEN THEY SHOW UP



QUESTIONS?

THANK YOU, LAKE COUNTY STORMWATER MANAGEMENT COMMISSION

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